

What is claimed is:

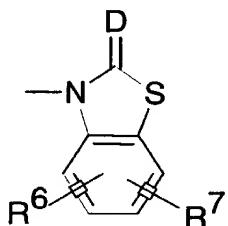
1. A compound represented by the following formula (I): $X \cdot Q \cdot C(R^1)(R^2) \cdot Z$, a salt thereof, and a hydrate thereof and a solvate thereof, wherein:

R^1 and R^2 each independently represent hydrogen atom, an alkyl group, a cycloalkyl group, a hydroxyalkyl group, or an alkenyl group;

Z represents either of the following groups:



wherein R^3 represents an alkyl group, a cycloalkyl group, a hydroxyalkyl group, or an alkenyl group; p represents an integer of from 3 to 8; R^4 and R^5 each independently represent hydrogen atom or an alkyl group, or R^4 and R^5 represent a 5- to 7-membered heterocyclic group together with other intervening atoms; and B represents a group represented by the following formula:



wherein R^6 and R^7 each independently represent a substituent selected from the group consisting of hydrogen atom, a halogen atom, nitro group, an alkyl group, a cycloalkyl group, an alkenyl group, a halogenated alkyl group, hydroxyl group, an alkoxy group, a halogenated alkoxy group, an alkoxy carbonyl group, phenyl group, a substituted or unsubstituted amino group, an alkylthio group, an alkylsulfinyl group, an alkylsulfonyl group, a substituted or unsubstituted sulfamoyl group, a substituted or unsubstituted carbamoyl group, an acyl group, cyano group, and an alkynyl group;

and D represents sulfur atom, oxygen atom, or a group represented by NR⁸ wherein R⁸ represents a substituent selected from the group consisting of hydrogen atom, an alkyl group, a cycloalkyl group, a cycloalkyl-substituted alkyl group, an alkenyl group, a halogenated alkyl group, a hydroxyalkyl group, an alkoxyalkyl group, an alkoxy carbonyl group, phenyl group, an alkylsulfinyl group, an alkylsulfonyl group, a substituted or unsubstituted sulfamoyl group, an alkylsulfonylamino group, an alkylcarbonylamino group, a substituted or unsubstituted carbamoyl group, an acyl group, cyano group and an alkynyl group; and

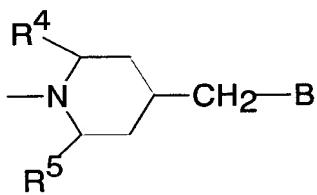
when X represents a monocyclic or polycyclic cycloalkyl group which may be substituted with an alkyl group, a cycloalkyl-substituted alkyl group, an aryl group, or a heteroaryl group, Q represents a group represented by -CO-, -C(=NOH)- or -C(Y)(A)- wherein Y represents hydrogen atom, an alkyl group, an alkenyl group, an alkynyl group, a monocyclic or polycyclic cycloalkyl group, a cycloalkyl-substituted alkyl group, an aryl group, an aryl-substituted alkyl group, a heteroaryl group, or a heteroaryl-substituted alkyl group, and A represents a group represented by -OR⁹ wherein R⁹ represents hydrogen atom, an alkyl group, a cycloalkyl group, a cycloalkyl-substituted alkyl group, an alkenyl group, an aryl group, an aryl-substituted alkyl group, a hydroxyalkyl group, or an acyl group, and when X represents a 8- to 10-membered bicyclic heteroaryl group containing one or two hetero atoms, Q represents a single bond.

2. The compound or a salt thereof, or a hydrate thereof or a solvate thereof according to claim 1, wherein both of R¹ and R² are hydrogen atoms, R³ is an alkyl group, p is 4, R⁴ and R⁵ each independently represent hydrogen atom or an alkyl group, R⁶ and R⁷ each independently represent a substituent selected from the group consisting of hydrogen atom, a halogen atom, nitro group, an alkyl group, a halogenated alkyl group, and an alkoxy group, R⁸ represents a substituent selected from the group consisting of hydrogen atom, an alkyl group, a halogenated alkyl group and an acyl group; when X represents a monocyclic or polycyclic cycloalkyl group which may be substituted with an alkyl group or a substituted or unsubstituted phenyl group (the substituent is at least one substituents selected from the group consisting of a halogen atom, an alkyl group, a halogenated alkyl group, an alkoxy group, a halogenated alkoxy group, cyano group and a substituted or unsubstituted

aminosulfonyloxy group), Q is a group represented by -CO- , -C(=NOH)- or -C(Y)(A)- where Y is hydrogen atom, and A is a group represented by -OR^9 wherein R⁹ is hydrogen atom, an alkyl group, or an acyl group, and when X is a 8- to 10-membered bicyclic heteroaryl group containing one or two hetero atoms, Q is a single bond.

3. The compound or a salt thereof, or a hydrate thereof or a solvate thereof according to claim 2, wherein R³ is an alkyl group, both of R⁴ and R⁵ are hydrogen atoms, R⁶ is hydrogen atom, R⁷ is a substituent selected from the group consisting of hydrogen atom, a halogen atom, nitro group, an alkyl group, a halogenated alkyl group, and an alkoxy group, X represents a monocyclic or polycyclic cycloalkyl group which may be substituted with an alkyl group or a substituted or unsubstituted phenyl group (the substituent is at least one substituent selected from the group consisting of a halogen atom, an alkyl group, a halogenated alkyl group, an alkoxy group, a halogenated alkoxy group, cyano group, and a substituted or unsubstituted aminosulfonyloxy group), and Q is a group represented by -CO- , -C(=NOH)- or -C(Y)(A)- wherein Y is hydrogen atom, and A is a group represented by -OR^9 wherein R⁹ is hydrogen atom, an alkyl group, or an acyl group.

4. The compound or a salt thereof, or a hydrate thereof or a solvate thereof according to claim 3, wherein Z is a group represented by the following formula:



5. The compound or a salt thereof, or a hydrate thereof or a solvate thereof according to claim 4, wherein X is a substituted or unsubstituted phenyl group.

6. The compound or a salt thereof, or a hydrate thereof or a solvate thereof according to any one of claims 2 through 5, wherein R⁶ is hydrogen atom, R⁷ is a halogen atom, and D is a group represented by NR⁸ wherein R⁸ is hydrogen atom or an alkyl group.

7. The compound or a salt thereof, or a hydrate thereof or a solvate thereof according to any one of claims 2 through 5, wherein R⁶ is hydrogen atom, R⁷ is a

halogen atom, and D is oxygen atom.

8. The compound or a salt thereof, or a hydrate thereof or a solvate thereof according to ~~any one of claims 2 through 7~~, wherein Q is -CO- or -CH(OH)-.

9. The compound or a salt thereof, or a hydrate thereof or a solvate thereof according to claim 4, wherein X is p-fluorophenyl group, R⁷ is chlorine atom, D is NH and Q is -CO- or -CH(OH)-.

10. The compound or a salt thereof, or a hydrate thereof or a solvate thereof according to claim 4, wherein X is p-fluorophenyl group, R⁷ is chlorine atom, D is NCH₃, and Q is -CO- or -CH(OH)-.

11. The compound or a salt thereof, or a hydrate thereof or a solvate thereof according to claim 4, wherein X is p-fluorophenyl group, R⁷ is fluorine atom, D is NH and Q is -CO- or -CH(OH)-.

12. The compound or a salt thereof, or a hydrate thereof or a solvate thereof according to claim 4, wherein X is p-fluorophenyl group, R⁷ is trifluoromethyl group, D is NH and Q is -CO- or -CH(OH)-.

13. The compound or a salt thereof, or a hydrate thereof or a solvate thereof according to claim 4, wherein X is p-fluorophenyl group, R⁷ is bromine atom, D is oxygen atom and Q is -CO- or -CH(OH)-.

14. The compound or a salt thereof, or a hydrate thereof or a solvate thereof according to claim 4, wherein X is p-fluorophenyl group, R⁷ is chlorine atom, D is oxygen atom and Q is -CO- or -CH(OH)-.

15. The compound or a salt thereof, or a hydrate thereof or a solvate thereof according to claim 4, wherein X is p-fluorophenyl group, R⁷ is fluorine atom, D is oxygen atom and Q is -CO- or -CH(OH)-.

16. The compound or a salt thereof, or a hydrate thereof or a solvate thereof according to claim 4, wherein X is unsubstituted phenyl group, R⁷ is bromine atom, D is oxygen atom and Q is -CO- or -CH(OH)-.

17. A medicament comprising a substance selected from the group consisting of a compound and a salt thereof, and a hydrate thereof and a solvate thereof according to ~~any one of claims 1 through 16~~ as an active ingredient.

18. A medicament according to claim 17, which is used for therapeutic and/or preventive treatment of a disease caused or promoted by the nerve controlling

function of a sigma ligand.

19. A sigma ligand comprising a substance selected from the group consisting of a compound and a salt thereof, and a hydrate thereof and a solvate thereof according to any one of claims 1 through 10.

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